

Data File : VV009957.D
Acq On : 28 Mar 2019 05:09
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02568

Quant Time: Mar 28 07:23:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 28 07:17:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	182675	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	184865	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	81486	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	71292	19.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.92%
7) Chloroethane-d5	1.56	69	83754	20.92	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.68%
10) 1,1-Dichloroethene-d2	2.12	63	203273	20.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.20%
20) 2-Butanone-d5	3.92	46	36266	52.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.00%
24) Chloroform-d	4.39	84	110355	23.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.84%
26) 1,2-Dichloroethane-d4	5.07	65	73852	26.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.48%
29) Benzene-d6	5.09	84	240065	24.73	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.92%
33) 1,2-Dichloropropane-d6	6.11	67	75411	26.55	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.20%
37) Toluene-d8	7.36	98	220029	23.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.76%
38) trans-1,3-Dichloropropene-	7.66	79	26730	23.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.00%
39) 2-Hexanone-d5	8.13	63	26375	49.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.50%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	68965	24.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.08%
61) 1,2-Dichlorobenzene-d4	11.67	152	73871	23.81	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.24%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.13	85	52986	18.735	ug/L 100
3) Chloromethane	1.24	50	65358	19.997	ug/L 99
5) Vinyl chloride	1.32	62	89842	21.140	ug/L 95
6) Bromomethane	1.51	94	88439	20.864	ug/L 99
8) Chloroethane	1.58	64	76518	20.901	ug/L 99
9) Trichlorofluoromethane	1.75	101	203945	22.503	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.12	101	94982	18.031	ug/L 98
12) 1,1-Dichloroethene	2.13	96	85034	19.028	ug/L 91
13) Acetone	2.18	43	28855	27.590	ug/L 89
14) Carbon disulfide	2.31	76	128823	21.307	ug/L 100
15) Methyl Acetate	2.45	43	32638	26.642	ug/L 97
16) Methylene chloride	2.53	84	77106	25.631	ug/L 98
17) Methyl tert-butyl Ether	2.80	73	162700	27.903	ug/L 97
18) trans-1,2-Dichloroethene	2.78	96	60151	25.130	ug/L 92
19) 1,1-Dichloroethane	3.22	63	114210	26.092	ug/L 97
21) 2-Butanone	4.01	43	38277	41.094	ug/L 86
22) cis-1,2-Dichloroethene	3.95	96	70861	26.812	ug/L 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	33934	27.807	ug/L	98
25) Chloroform	4.42	83	145738	30.112	ug/L	99
27) 1,2-Dichloroethane	5.17	62	92744	27.046	ug/L	98
30) Cyclohexane	4.72	56	78445	21.045	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	94068	25.426	ug/L	97
32) Carbon tetrachloride	4.87	117	76951	23.930	ug/L	98
34) Benzene	5.14	78	262881	25.896	ug/L	100
35) Trichloroethene	5.95	95	65927	24.621	ug/L	98
36) Methylcyclohexane	6.17	83	86090	20.492	ug/L	95
40) 1,2-Dichloropropane	6.22	63	69898	27.555	ug/L #	93
41) Bromodichloromethane	6.55	83	90315	28.629	ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	93162	25.190	ug/L	94
43) 4-Methyl-2-pentanone	7.27	43	94858	52.401	ug/L	100
44) Toluene	7.43	91	281286	25.134	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	81566	26.942	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	55589	26.496	ug/L	96
47) Tetrachloroethene	8.02	164	48478	22.943	ug/L	98
49) 2-Hexanone	8.18	43	60760	49.663	ug/L	99
50) Dibromochloromethane	8.29	129	58284	26.792	ug/L	93
51) 1,2-Dibromoethane	8.40	107	53333	26.181	ug/L #	95
52) Chlorobenzene	8.92	112	182130	24.446	ug/L	98
53) Ethylbenzene	9.05	91	301556	24.427	ug/L	100
54) m,p-Xylene	9.18	106	113753	23.461	ug/L	92
55) o-xylene	9.59	106	113585	24.134	ug/L	89
56) Styrene	9.60	104	197486	24.430	ug/L	98
57) Isopropylbenzene	9.97	105	284531	23.304	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	71100	25.142	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	50691	24.837	ug/L	99
62) Bromoform	9.77	173	28138	26.846	ug/L	96
63) 1,3-Dichlorobenzene	11.23	146	126556	25.110	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	132970	24.276	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	125446	25.220	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	7917	25.466	ug/L	86
67) 1,3,5-Trichlorobenzene	12.69	180	84933	23.729	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	65448	24.788	ug/L	99
69) Naphthalene	13.55	128	107816	24.566	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	64647	25.750	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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